Abstract

The present invention relates to certain computational methods for classifying a plurality of objects or for identifying one or more latent classes among a plurality of objects. The present invention presents methods that glean relationships across at least

5   two distinct sets of objects, allowing one to identify latent classes of objects along one set of margins, observations about which objects provide insight into possible properties or characteristics of objects along another set of margins. More specifically, the present invention relates to a process for analyzing multivariate sets of data utilizing tools that combine, for example, aspects of fuzzy logic and statistics. The present invention finds a

10   number of practical applications, including the sensible analysis of large amounts of information, such as those generated sequence analysis, gene expression and proteomics in the field of biology.